

In The Claims:

Subject → Claim 1 (Currently Amended) In a wireless communication system having a mobile unit and a base station receiver directing the transmitted power level of the mobile unit, a method of receiving a received signal on a receive path of a said receiver, said method comprising the steps of:

injecting a desensitization signal into said receive path to raise the noise level of said receive path relative to the level of said received signal without attenuating the received signal on said receive path so as to desensitize the receiver; and

adjusting the power level of the desensitization signal based on the operating parameters of the wireless communication system so that the transmitted power level of the mobile unit is sufficiently high at a handoff boundary to overcome potential interference.

FI Cont Claim 2 (Original) The method of claim 1 further including the step of:

amplifying said signal on said receive path with an amplifier; and

wherein said step of injecting further includes;

injecting said desensitization signal into said receive path after said amplifier.

Claim 3. (Original) The method of claim 1 further including the step of:

providing a noise source as said desensitization signal.

Claim 4. (Original) The method of claim 1 further including the step of:

providing a continuous wave signal as said desensitization

signal.

Claim 5. (Original) The method of claim 1 further including the step of:

modulating a continuous wave signal using a modulating signal source to produce a modulated desensitization signal as said desensitization signal.

Claim 6. (Original) The method of claim 5 wherein said step of modulating including the steps of:

providing said continuous wave signal to an I/Q modulator;  
providing I and Q signals from said modulating signal source;  
and

modulating by said I/Q modulator said continuous wave signal using said I and Q signals to produce said modulated desensitization signal.

Claim 7. (Original) The method of claim 5 wherein said step of modulating including the step of:

mixing said continuous wave signal with a modulating signal from said modulating signal source to produce said modulated desensitization signal.

Claim 8. (Original) The method of claim 5 wherein said step of modulating including the steps of:

providing said continuous wave signal to an adjustable attenuator;

providing a modulating signal to said adjustable attenuator;  
and

attenuating by said adjustable attenuator said continuous wave signal using said modulating signal to produce said modulated desensitization signal.

Claim 9. (Original) The method of claim 1 further including the step:

attenuating said desensitization signal prior to said step of injecting.

Claim 10. (Original) The method of claim 1 wherein said step of injecting further including the step of:

coupling said desensitization signal onto said receive path.

Claim 11. (Currently Amended) In a wireless communication system having a mobile unit, a base station receiver directing the transmitted power level of the mobile unit, said [a] receiver having a receive path for receiving a received signal, said receiver comprising:

a desensitization signal source that is capable of producing a desensitization signal on a desensitization signal path;

a coupler connected to said desensitization signal path and said receive path and injects said desensitization signal into said receive path to raise the noise level on said receive path relative to the level of said received signal without attenuating the received signal on said receive path so as to desensitize the receiver; and

means for adjusting the power level of the desensitization signal based on the operating parameters of the wireless communication system so that the transmitted power level of the mobile unit is sufficiently high at a handoff boundary to overcome potential interference.

Claim 12. (Original) The receiver of claim 11 wherein said desensitization signal source comprises a noise source producing a noise signal on said desensitization path.

Claim 13. (Original) The receiver of claim 11 wherein said desensitization signal source comprises a continuous wave signal source producing a continuous wave signal on said desensitization path.

Claim 14. (Original) The receiver of claim 11 further comprising:

a continuous wave signal source producing a continuous wave signal;

a modulating signal source producing at least one modulating signal; and

a modulator receives said continuous wave signal and said at least one modulating signal and modulates said continuous wave signal using said at least one modulating signal to produce a modulated desensitization signal as said desensitization signal.

Claim 15 (Original) The receiver of claim 11 further comprising:

an attenuator on said desensitization signal path receives and adjusts the level of said desensitization signal on said desensitization signal path.

Claim 16 (Original) The receiver of claim 11 further comprising:

an amplifier on said receive path; and  
said coupler located on said receive path after the output of said amplifier.

Claim 17 (Original) The receiver of claim 11 wherein said ~~communication~~ received signal on said receive path being in the form of a digitized I/Q signal at a baseband frequency, said

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desensitization signal source producing a pseudo-random noise sequence as said desensitization signal; and said coupler summing said pseudo-random noise sequence with said digitized I/Q signal to desensitize said receiver.

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